

NECHAYEVSKAYA, M.R.; ZHIDOVTSSEV, V.M.; CHERKAS, G.P.; ZIMINA, O.I.;
KALINICHENKO, N.F.

Effect of X-irradiation on immunity to the pathogens of gas gangrene
and tetanus. Zhur.mikrobiol.epid.i immun. 32 no.1:113-117 Ja '61.

(MIRA 14:6)

(CLOSTRIDIUM) (X RAYS--PHYSIOLOGICAL EFFECT)

KALINICHENKO, N.I.

Treatment of diffuse suppurative parotitis in the Antarctic.
Khirurgiya 39 no.6:93-96 Ja '63. (MIR 1975)

1. Iz statsionara Antarkticheskoy khibeynoy flotilii "Slava"
(glavnyy vrach N.I. Kalinichenko).

KALINICHENKO, N.I.

Case of combined rupture of the uterine tube (in tubal pregnancy), acute appendicitis, and hematoma of an ovary with cystic degeneration. Khirurgiia no.6:112 Je '61. (MIRA 14:11)

1. Iz gosspitalya Antrakticheskoy kitoboynoy flotilii "Slava"
(glavnyy vrach -- khirurg flotilii N.I. Kalinichenko).
(PREGNANCY, EXTRAUTERINE) (UTERUS---RUPTURE)
(OVARIES---TUMORS)

KALINICHENKO, N.I.

Experience in the treatment of thermal burns of the face with
spermacetic ointment under a bandage. Khirurgiia 39 no.11:122-123
N '63. (MIRA 17:11)

1. Iz statsionara Antarkticheskoy kitoboynoy flotilii "Slava"
(glavnyy vrach-khirurg flotilii N.I. Kalinichenko).

KALINICHENKO, N. P.

Country : USSR
Category : Plant Diseases. Diseases of Forest Species.
Abs Jour. : Ref. Zhur.-Biologiya No. 11, 1958. No. 49230
Author : Krangauz, R.A.; Kalinichenko, N.P.
Institute : Not given
Title : Preserving Norway Maples in Steppe Forest Plantations
Orig. Pub.: Lesn. kh-vo, 1957, No. 11, 49-51
Abstract : Description of the symptoms of dessication and dying-off of the Norway maple trees at Veliko-Anadol'skiy Leskhoz. The pathogen is Verticillium dahliae Kleb.

Card: 1/1

KALINICHENKO, N.S.

26-58-4-21/45

AUTHORS: Veskan, F.F., and Kalinichenko, N.S., Professors

TITLE: The Radioactive Springs of Rumania (Radioaktivnyye istochniki Rumynii)

PERIODICAL: Priroda, 1958, Nr 4, pp 85-87 (USSR)

ABSTRACT: The author gives a survey of the Rumanian health resorts known for their radioactive springs. The first springs of this kind were discovered by Professor Dragomir Khurmuzesku during the period 1904 - 1910. After World War II, Rumanian scientists of Slanec-Moldava, Clui and Iasi universities started to systematically investigate the therapeutic properties of these spas. Baile Herculane, Singureni, Valea Vinului, Baile Borsa, Borsec are the best known health resorts whose radioactive springs favorably affect the glands of inner secretion, the nervous system and increase the number of red blood corpuscles in the human body. Their radioactivity varies between 4.5 and 21 μmc . According to the authors, radioactive springs have also been found in many other parts of Rumania which, so far, have not been exploited.

Card 1/2

The Radioactive Springs of Rumania

26-58-4-21/45

There is one map.

ASSOCIATION: Fiziko-tekhnicheskoye ot'deleniye Yasskogo filiala Akademii nauk Rumynskoy Narodnoy Respubliki (Physico-Technical Section of the Iasi branch of the Rumanian People's Republic Academy of Sciences)

AVAILABLE: Library of Congress

Card 2/2 1. Spas (Radioactive)-Rumania 2. Public health-Radioactive substances 3. Spas (Radioactive)-Physiological effects

KALINICHENKO, P. (g.Priluki, Chernigovskoy oblasti).

With what can sockets of vacuum-tubes be glued on. Radio no.8:31 Ag '53.
(MLR 6:8)
(Vacuum tubes)

KALINICHENKO, P., agronom.

Two-way feed of hot air for drying ears of seed corn. Muk. elev.
prom. 23 no.12:4-5 D '57. (MIRA 11:2)

1. Dnepropetrovskoye oblastnoye upravleniye khleboproduktov.
(Corn (Maize)--Drying)

KALINICHENKO, P.

We are getting prepared in good time for seed corn drying.
Muk.-elev. prom. 25 no.8:10 Ag '59. (MIRA 13:1)

1.Dnepropetrovskoye upravleniye khleboproduktov.
(Corn (Maize)--Drying))

KALINICHENKO, P., inzhener

Apartment houses must be economically operated. Zhil.-kom.
khoz. 5 no.4:11-12 '55. (MLRA 8:9)
(Stalingrad--Apartment houses--Management)

KALINICHENKO, P., dots.

Some mistakes of Stalingrad designers and builders. Zhil.-kom.
khoz. 9 no.4:9-10 '59. (MIRA 12:7)

1. Stroitel'nyy fakul'tet Stalingradskogo instituta inzhenerov
gorodskogo khozyaystva.

(Stalingrad--Apartment houses)

GOVOROV, V.I.; KALINICHENKO, P.G.; POLYANSKIY, G.A.

Contactless position indicator. Avtom. i prib. no.3:73 JI-S '64.
(MIRA 18:3)

KALINICHENKO, P.N., veterinarnyy vrach; KAPIKYAN, B.R., veterinarnyy vrach

Citrated blood of cattle in foot-and-mouth disease in swine.
Veterinariia 37 no.1:29-30 Ja '60. (MIRA 16:6)

1. Yeyskaya mezhrayonnayay veterinarno-bakteriologicheskaya laboratoriya (for Kalinichenko). 2. Staro-Shcherbinovskiy veterinarnyy uchastok, Krasnodarskiy kray (for Kapikyan).
(Foot-and-mouth disease)
(Blood as food or medicine)

KAZEYEV, R.V.; KALINICHENKO, F.M.

Elimination of trichomoniasis in cattle. Veterinariia 41 no.2:
52-54 F '65. (MIRA 18:3)

1. Zaveduyushchiy bakteriologicheskim otdelom Krasnodarskoy
krayevoy veterinarnoy laboratorii (for Kazeyev). 2. Glavnyy
veterinarnyy vrach Saratovskogo tabachnogo sovkhoza Krasno-
darskogo kraia (for Kalinichenko).

KALINICHENKO, R.I., nauchnyy sotrudnik

Monilia scald and bacterial blight of pome fruit. Zashch. rast.
ot vred. i bol. 9 no.10:20-22 '64 (MIRA 18:1)

1. Dal'nevostochnaya opytnaya stantsiya Vsesoyuznogo nauchno-
issledovatel'skogo instituta rasteniyevodstva.

YAKOVENKO, V.A., kand. tekhn. nauk, dotsent (Khar'kov); MALINCHENKO,
S.P., inzh. (Khar'kov)

Methods for increasing the commutational reliability of the
motors of rolling mills. Elektrichestvo no.1:24-27 Ja '64.
(MIRA 17:6)

KALINICHENKO, S.P., inzh.

Calculation of the commutation of rolling mill motors operating
with impact loads. Elektrotehnika 36 no.8:50-54 Ag '64.
(MIRA 17:9)

39150
S/120/62/000/003/012/048
E032/E114

21 0000
AUTHORS: V'yugov, P.N., Dementiy, V.S., Kalinichenko, S.S.,
and Tsybul'skiy, V.V.

TITLE: Organic crystals as neutron detectors

PERIODICAL: Pribery i tekhnika eksperimenta, no.3, 1962, 65-66

TEXT: The authors have investigated stilbene, naphthalene
and "plastics I and II" produced at the Khar'kovskiy nauchno-
issledovatel'skiy institut monokristallov (Khar'kov Scientific
Research Institute for Single Crystals). The latter two

materials were of the same composition, namely, polystyrene +
p-terphenyl + POPOP, but were prepared in different ways.

A Po + Be neutron source was employed (2.5×10^5 neutron/sec) with
the simulated background produced by a $6.17 \mu\text{C Co}^{60}$ source.

A block diagram of the apparatus is shown in Fig.1. After
integration across the RC chains, the signal was fed into a linear
amplifier. Pulses corresponding to recoil protons decay relatively
slowly and give rise to large amplitude pulses on integration
across the RC circuits. On the other hand, pulses with shorter

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L 38094-65 EWT(m)/EPA(w)-2/EWA(m)-2 Pab-10/Pt-10 IJP(c)

ACCESSION NR: AP5005906

8/0185/65/010/002/0123/0127

AUTHOR: Kalinichenko, S. S.; Krasnykov, O. A. (Krasnikov, A. A.); Khomyakov, N. K. (Khomyakov, G. K.)

TITLE: Investigation of neutron and Gamma radiation following a current pulse in a 70 MeV linear electron accelerator

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 2, 1965, 123-127

TOPIC TAGS: particle accelerator, electron accelerator, neutron background, Gamma background, shielding

ABSTRACT: The investigation was made to check on the frequently made assumption that the background due to slow neutrons and captured gamma quanta in the vicinity of an accelerator disappears upon cessation of the accelerator current pulse. The measurements were made behind a one-meter concrete shield of the 70-MeV linear electronic accelerator of the Fizyko-tekhnichnyy instytut AN URSR (Physicotechnical Institute, AN UkrSSR). The current pulse was 2.5 μ sec in duration, and the repetition frequency was 50 cps. The experimental test set-up is shown in Fig. 1 of the Enclosure. The gamma radiation was monitored with an ionization chamber

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L 38094-65

ACCESSION NR: AP5005906

and measured with an FEU-24 photomultiplier with NaI single crystal. A Faraday cup was used to measure the average current and to serve as a neutron source. The character of decrease in the gamma radiation and in the neutron background following the stopping of the current pulse in the accelerator were similar. The results show that appreciable background exists up to 7 msec following the pulse, regardless of the length of the pulse. The lifetime of the slow neutrons and of the gamma-active isotopes produced as a result of capture of slow neutrons by different elements of the equipment and of the shielding is approximately 3.5 msec. The maximum gamma-quantum energy is approximately 8 MeV. (orig. art. has: 3 figures.

ASSOCIATION: Fizyko-tekhnichnyy instytut AN URSR, Khar'kov
(Physicotechnical Institute AN UkrSSR)

SUBMITTED: 07May64

ENCL: 01

SUB CODE: KP

NR REF SOV: 003

OTHER: 003

Card 2/3

USSR/Cultivated Plants - Commercial. Oil-Bearing. Sugar-Bearing. M-5

Abs Jour : Ref Zhur - Biol., No 7, 1958, 29904

Author : Val'ko, N.S., Kalinichenko, T.V.

Inst : The All-Union Scientific Research Institute for Fiber Crops.

Title : The Sowing Times for Gambo Hemp in Northern Caucasia.

Orig Pub : Tr. Vses. n.-i. in-t lub. kul'tur, 1957, vyp. 22, 138-142.

Abstract : No abstract.

Card 1/1

- 22 -

KALINICHENKO, L.V.

TUTYSHKINA, Yu.P.; GALKER, Z.N.; GROMASHEVSKIY, L.V., professor, zaveduyushchiy; KALINICHENKO, T.Ya., direktor.

Hemagglutination reaction in scarlet fever; authors' abstract. Zhur.mikrobiol.epid.i immun. no.2:25-26 F '53. (MLRA 6:5)

1. Kafedra epidemiologii Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta imeni akademika A.A. Bogomol'tsa (for Gromashevskiy).
2. Kiyevskiy ordena Trudovogo Krasnogo Znameni meditsinskiy institut imeni akademika A.A. Bogomol'tsa (for Kalinichenko). (Scarlatina) (Blood--Agglutination)

ZEL'DICH, L.Ye.; KHOKHOL, Ye.N., professor, zaveduyushchiy; KALINICHENKO, T.
Ya, dotsent, direktor.

Change in the permeability of capillaries in rheumatism in children.
Pediatriia no.2:41-44 Mr-Ap '53. (MLBA 6:5)

1. Kafedra gosptal'noy pediatrii Kiyevskogo ordena Trudovogo Krasnogo
Znameni meditsinskogo instituta imeni akademika A.A. Bogomol'tsa (for
Khokhol and Zel'dich). 2. Kiyevskiy ordena Trudovogo Krasnogo Znameni
meditsinskiy institut imeni akademika A.A. Bogomol'tsa (for Kalinichenko).
(Rheumatism)

KALINICHENKO, T.Ya., dotsent (Kiev)

Productive friendship of Russian and Ukrainian scientists. Akush.
1 gin. no.3:3-9 My-Je '54. (MLRA 7:8)
(MEDICINE, history,
*Russia)

KALINICHENKO, T.Ya., dots.

Pregnandiol level in urine in women with uterine inertia. Ped., akush.
i gin. 19 no.2:46-48 ' 57. (MIRA 13:1)

1. Kafedra akusherstva i ginekologii No.2 (zav. - dots. T.Ya. Kalini-
chenko) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo
instituta im. akad. A.A. Bogomol'tsa (direktor - prof. Ye.F. Shamray).
(PREGNANDIOL)

KALINICHENKO, T.Ya., dots. (Kiyev)

Achievements in obstetrics and gynecology in the Ukraine during the
past 40 years. Ped., akush. i gin. 19 no.5:37-46 '57.

(MIRA 13:1)

(UKRAINE--GYNECOLOGY)

(UKRAINE--OBSTETRICS)

KALINICHENKO, T.Ya., dots.

Ovarian disfunction as a cause of sterility in women. Ped., akush. i gin. 20 no.3:55-60 '58. (MIRA 13:1)

1. Kafedra akusherstva i ginekologii No.2 (zav. -- dots. T.Ya. Kalinichenko) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta im. akad. A.A. Bogomol'tsa (direktor - dots. I.P. Alekseyenko).
(STERILITY) (OVARIES)

KALINICHENKO, T.Ya., dots.

Features of electroencephalograms of women with early climacterics, amenorrhea, and sterility. Ped., akush. i gin. 20 no.6:44-48 '58.

(MIRA 13:1)

1. Kafedra akushestva i ginekologii No.2 (zav. - dots. Y.Ya. Kalinichenko) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta im. akad. A.A. Bogomol'tsa (direktor - dots. I.P. Alekseyenko).
(ELECTROENCEPHALOGRAPHY) (CLIMACTERIC) (STERILITY)

KALINICHENKO, T.Ya., dots.

Role of vitamin E in the treatment of spontaneous abortion.

Sov.med. 22 no.5:106-107 My '58

(MIRA 11:7)

1. Iz akushersko-ginekologicheskoy kliniki No.2 (zav. dots. T.Ya. Kalinichenko) na baze Gorodskoy bol'nitsy imeni Oktyabr'skoy revolyutsii (glavnyy vrach - dots. N.S. Onopriyenko) Kiyevskogo ordena Trudovogo Krasnogo Znameni meditsinskogo instituta imeni A.A. Bogomol'tsa (dir. - prof. Ye.F. Shamray).

(ABORTION, prev. & control
threatened, vitamin E (Rus))
(VITAMIN E, ther. use
threatened abortion (Rus))

TIMOSHENKO, Leonid Vasil'yevich, kand.med.nauk; SHKOL'NIK, Boris
Iosifovich, kand.med.nauk; KALINICHENKO, T.Ya., red.; GITSHTEYN,
A.D. [Hitshtein, A.D.], tekhnred.

[Women's diseases and how to prevent them] Zhinochi khvoroby
i iak im zapobity. Kyiv, Derzh.med.vyd-vo URSR, 1960. 37 p.
(MIRA 14:1)

(WOMEN--DISEASES)

LUR'YE, Aleksandr Yudimovich, prof., vrach (1897-1958); MAKARCHENKO, A.F.,
prof., otv. red.; YEVDOKIMOV, A.I., kand. med. nauk, red.; KALINI-
CHENKO, T.Ya., kand. med. nauk, red.; KRUPKO, Yu.A., kand. med. nauk,
red.; LOGUNOVA, A.G., kand. med. nauk, red.; PAP, A.G., kand. med.
nauk, spets. red.; PANCHENKO, N.I., kand. med. nauk, red.; SAVITS-
KIY, V.N., doktor med. nauk, prof., red.; SVESHNIKOVA, N.V., kand.
med. nauk, red.; TEL'NOVA, R.I., kand. med. nauk, red.; TIMOSHENKO,
L.V., kand. med. nauk, spets. red.; YANKELEVICH, Ye.Ya., prof., red.;
YANKOVSKAYA, Z.B., red. izd-va; MATVEYCHUK, A.A., tekhn. red.

[Selected works] Izbrannye trudy. Kiev, Izd-vo Akad. nauk USSR.
1960. 425 p. (MIRA 14:7)

1. Chlen-korrespondent Akademii nauk USSR (for Lur'ye, Makarchenko)
(GYNECOLOGY)

KALINICHENKO, T.Ya., kand.med.nauk

Electrical activity of the brain during some gynecological diseases.
Vop. klin. nevr. i psikh. no.2:363-372 '58. (MIRA 14:10)
(BRAIN) (WOMEN--DISEASES)

KALINICHENKO, V.

Stock barns made of reed fascines. Sel'stroi. 12 no.5:12-16
My '57. (MIRA 10:7)

1. Glavnyy inzhener otдела sel'skokhozyaystvennogo proyektirovaniya
"Kazgiprosovkhozvodstroya."
(Reed (Botany)) (Barns)

KALINICHENKO, V., inzh.; BYKOV, M., inzh.; SHTOKMAN, Ye., inzh.

Apartment houses with hot-air radiant heating systems. Zhil. stroi.
no.11:9-12 N '60. (MIRA 13:11)

(Radiant heating)

15-57-4-5041D
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 4,
p 217 (USSR)

AUTHOR: Kalinichenko, V. F.

TITLE: Calculation of Electrically Transported Loads in the
Krivbas Iron Mines (Issledovaniye i metodika rascheta
podzemnykh elektricheskikh nagruzok zhelezorudnykh
shakht Krivbassa)

ABSTRACT: Bibliographic entry on the author's dissertation for
the degree of Candidate of Technical Sciences,
presented to Khar'kovsk. gorn. in-t (Khar'kov Mining
Institute), Kar'kov, 1956

ASSOCIATION: Khar'kovsk. gorn. in-t (Khar'kov Mining Institute)
Card 1/1

8(0)

SOV/112-58-3-3908

Translation from: Referativnyy zhurnal. Elektrotehnika, 1958, Nr 3, p 57 (USSR)

AUTHOR: Kalinichenko, V. F.

TITLE: Experimental Studies of Per-Unit Electric-Energy Consumption at Mining and Developmental Fields of the Krivbass Mines (Eksperimental'nyye issledovaniya udel'nykh raskhodov elektricheskoy energii na dobychnykh i podgotovitel'nykh uchastkakh shakht Krivbassa)

PERIODICAL: Sb. tr. Krivorozhsk. gornorudn. in-ta, 1956, Nr 5, pp 180-187

ABSTRACT: In 1953-1954, in the Krivorog iron-ore basin, the author conducted experimental studies of electric-energy consumption by the production and developmental mines using the most typical mining methods for that basin. The principal energy consumers in the mines are: scraper winches, partial-ventilation fans, deep-drilling machines, and electric lighting. The fans consume 40-60% of the total amount of energy. Three-phase squirrel-cage induction motors are predominantly used for the electric drives, while

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SOV/112-58-3-3908

Experimental Studies of Per-Unit Electric-Energy Consumption at Mining and

incandescent lamps are used for lighting. The electric energy was measured by means of three-phase meters at 22 fields with various mining conditions and methods, over a period of more than 110 work-shifts. On the basis of the data obtained, energy consumption per ton of ore was determined for stoping and developmental works; this consumption depends on the mining system and on the field output (with a given mining system). Determination of electric-energy consumption for a group of fields having the same mining system on the basis of the total fields output and the average per-unit energy consumption results, as a rule, in too low figures. The obtained per-unit consumption data can be used for electrical-supply projects, for planning electric-energy consumption under operating conditions, and for engineering-economy computations in comparing various mining methods in production and developmental fields.

A.L.F.

Card 2/2

KALINICHENKO V.F.

DURNEV, M.Ya., kandidat tekhnicheskikh nauk; KALINICHENKO, V.F., inzhener;
PETROV, Yu.S., kandidat tekhnicheskikh nauk, ~~inzhener~~,
kandidat tekhnicheskikh nauk; TONKOSHKUR, L.S., inzhener.

Estimating expected electric loads for surfaces of iron ore mines.
Gor. shur. no.7:59-60 J1 '57. (MLRA 10:8)
(Electricity in mining)

KALINICHENKO, V.P. inghener.

Calculating mine cable lines and determining the capacity of
transformers. Gor. zhur. no.7:61-66 J1 '57. (MLRA 10:8)

1. Nauchno-issledovatel'skiy gornorudnyy institut.
(Electricity in mining)

8(3)

SOV/112-59-5-8887

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 5, p 66 (USSR)

AUTHOR: Kalinichenko, V. F.

TITLE: Determining the Load at the Bus of a Main Underground Substation of a Mine

PERIODICAL: Byul. nauchno-tekhn. inform. N.-i. gorno-rudn. in-t, 1958, Nr 4, pp 49-53

ABSTRACT: It is suggested that in determining the design electric load of a main underground substation, the consumers be subdivided into two groups. The first group includes high-voltage motors of the main water-pumping installation; the second group includes the consumers supplied by gallery substations (stopping), electric-locomotive hauling, consumers of the near-shaft excavations, and consumers of development levels. The active power consumed by pump drives can be determined by computation. The reactive power consumed by these drives can be determined from the power factor corresponding to their

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SOV/112-59-5-8887

Determining the Load at the Bus of a Main Underground Substation of a Mine design load. It is stated that the design active load of the second consumer group is a linear function of the average power consumed by this group per shift. A curve of 60-min demand of the second-group consumers plotted against their average consumed power and an empirical formula are presented. The reactive load of the second group can be found from an approximate average value of the power factor and from the active component computed by the above method.

B.N.A.-K.

Card 2/2

KALINICHENKO, V.F., inzh.; KOROBKO, V.G., inzh.

Operating electric equipment at Krivoi Rog Basin mines. Bezop.
truda v prom. 2 no. 6:9-Je '58. (MIRA 11:7)
(Krivoi Rog Basin--Electricity in mining)

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SOV/127-59-3-2/22

AUTHORS: Kalinichenko, V.F. Candidate of Technical Sciences,
Binus, M.S. and Voloshchenko S.P., Engineers

TITLE: Experience in the Automation of Production Processes
in Mines of the Krivoy Rog Basin (Opyt avtomati-
zatsii proizvodstvennykh protsessov na shakhtakh
Krivorozhskogo basseyna.)

PERIODICAL: Gornyy zhurnal, 1959, Nr 3, pp 5-11 (USSR)

ABSTRACT: The results of automation of industrial processes in
mines of the Krivoy Rog Basin are reviewed in this
article. Automation of already existing types of
scraper winches (by fixing on them different automotive
devices) did not give satisfactory results, and a new
type is at present being developed by the Krivoy Rog
Institute Giprorudmash and the enterprise Yuvmetal-
lurgavtomatika. New single and double-drum remote con-
trol shunting winches for loading and shifting operat-
ions (introduced in 1957 in four sections of the

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SOV/127-59-3-2/22

Experience in the Automation of Production Processes in Mines of the Krivoy Rog Basin.

camshaft. When the electromagnet is plugged in, the lever sticks out, the descending cage presses the lever and, by the adjuster rings turns the camshaft and places the cams under the cage. At the same time automatic trolley stoppers are automatically put into position. The author describes other devices for automatic trolley exchanges but stresses the necessity to find less complicated and more reliable mechanisms. The automation of water pumping operations is being realized according to plans developed by the Yuvmetallurgavtomatika. There were 23 automated installations in 1958. Manual work is still used in the partly automated skip hoisting operations, because of the shortage of reliable equipment. The cage hoisting installations in the Basin are still being worked manually, though the Yuvmetallurgavtomatika developed several plans for their automation. The central compressor installation of the Mine Administration imeni

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SOV/127-59-3-2/22

Experience in the Automation of Production Processes in Mines of the Krivoy Rog Basin.

installation of the control post. The scheme of automated control foresees an alternating loading of bunkers. To ensure further development of automation of mining operations in the Krivoy Rog Basin, it was decided to build a plant for the production of non-standardized automation equipment.

ASSOCIATION: Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog. (The Krivoy Rog Scientific-Research Ore-Mining Institute)

Card 5/5

KALINICHENKO, V.F., kand.tekhn.nauk; KOZLIK, V.I., inzh. (Krivoy Rog);
GRIGOR'YEV, V.G., inzh.

High frequency communications in the shaft of the "Bol'shevik"
Mine. Gor.zhur. no.2:58-60 F '61. (MIRA 14:4)

1. Nauchno-issledovatel'skiy gornorudnyy institut (for Kozlik).
2. Rudoupravleniye "Bol'shevik" (for Grigor'yev).
(Krivoy Rog—Mine communications)

U
ALEKSEYEV, F.K.; ANDRIYUTS, G.L.; ARSENT'YEV, A.I.; ASTAF'YEV, Yu.P.;
BEVZ, N.D.; BEREZOVSKIY, A.I.; GENERALOV, G.S.;
DOROSHENKO, V.I.; YESHCHENKO, A.A.; ZAPARA, S.A.; KALINICHENKO, V.F.;
KARNAUSHENKO, I.K.; KIKOVKA, Ye.I.; KOBOZEV, V.N.; KUPIN, V.Ye.;
LOTOUS, V.K.; LYAKHOV, N.I.; MALYUTA, D.I.; METS, Yu.S.; OVODENKO,
B.K.; OKSANICH, I.F.; PANOV, V.A.; POVZNER, Z.B.; PODORVANOV, A.Z.;
POLISHCHUK, A.K.; POLYAKOV, V.G.; POTAPOV, A.I.; SAVITSKIY, I.I.;
SERBIN, V.I.; SERGEYEV, N.N.; SOVETOV, G.A.; STATKEVICH, A.A.;
TERESHCHENKO, A.A.; TITOV, O.S.; FEDIN, A.F.; KHOMYAKOV, N.P.;
SHEYKO, V.G.; SHEKUN, O.G.; SESTAKOV, M.M.; SHTAN'KO, V.I.

Practice of construction and exploitation of open pits of Krivoy
Rog Basin mining and ore dressing combines. Gor. zhur. no.6:
8-56 Je '63. (MIRA 16:7)
(Krivoy Rog Basin—Strip mining)

KALINICHENKO, V.F., kand.tekhn.nauk; KOZLIK, V.I., inzh.; SOV'YAK, M.I.,
inzh.; BARZILOVICH, Yu.P., inzh.; CHEREPANOV, A.P., inzh.

New communication equipment for mine hoisting. Gor.zhur. no.10:57-
59 0 '64. (MIRA 18:1)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog
(for Kalinichenko, Kozlik, Sov'yak). 2. Sumskoy zavod elektronnykh
mikroskopov i elektroavtomatiki (for Barzilovich, Cherepanov).

KALINICHENKO, V.F., kand.tekhn.nauk; KIRICHUK, B.N., inzh.; SHVED, Yu.M., inzh.

Automation of the crushing and sorting plant at the "Severnaya"
Mine. Gor.zhur. no.12:46-48 D '64. (MIRA 18:1)

1. Nauchno-issledovatel'skiy gornorudnyy institut, Krivoy Rog.

KLEIMENKO, G.I., inst. (Chelyabinsk); ALIMCHENKO, V.I., inst. (Chelyabinsk)

Construction of water purification equipment in Chelyabinsk.

Vod. i san. tekhn. no.11:6-10 N '64.

(MIRA 13:2)

MANOVYAN, A. K.; KALINICHENKO, V. M.; Engs.

Cement Kilns

Process of grease formation in rotary kilns. TSement 19, No. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, June 1953, Unclassified.

KALINICHENKO, V.M., inzhener

Calculation of the chain screen in a rotary kiln. TSement 21
no.5:14-20 S-O '55. (MIRA 9:1)
(Kilns, Rotary)

KALINICHENKO, V.M.

← Annular quencher for cooling clinker. TSement 28 no.4:16-17
Jl-Ag '62. (MIRA 15:7)

1. Rizhskiy tsementno-shifernyy zavod.
(Kilns, Rotary)

NOVIKOV, I.M.; SAPRONOV, V.A.; ONISHENKO, Z.V.; SIMAKOVA, E.P.;
BEL'SKAYA, Yu.R.; BALASHOVA, T.L.; Prinimali uchastiye:
KALINICHENKO, V.W.; LITVINENKO, L.A.

Granulation of butadiene-styrene and natural rubber in the
Dnepropetrovsk Rubber Tire Plant. Kauch. i rez. 22 no.12:
44-48 D '63. (MIRA 17:9)

1. Dnepropetrovskiy shinnyy zavod (for all except Kalinichenko,
Litvinenko). 2. Dnepropetrovskiy filial Nauchno-issledovatel'-
skogo instituta shinnoy promyshlennosti (for Kalinichenko,
Litvinenko).

BAKHAREV, A.I.; KALINICHENKO, V.N.; VOYEVODIN, S.A.

Advantages of rubber granulating in the preparation process.
Kauch. 1 rez. 24 no.2:43-45 F '65.

(MIRA 18:4)

1. Dnepropetrovskiy filial Nauchno-issledovatel'skogo instituta
shinnoy promyshlennosti.

FISHMAN, M.P.; KALINICHENKO, V.P.

Device for measuring tool weight. Mash. i neft'. obor..
no.1:44-45 '63. (MIRA 17:1)

1. Neftpromyslovoye upravleniye "Artemneft".

KALINICHENKO, V.P.; FISHMAN, M.P.

Mast with variable inclination angle for double-barreled
wells. Nefteprom. delo no.5:30-32 '63. (MIRA 17:6)

1. Neftepromyslovoye upravleniye "Artemneft".

KALINICHENKO, V.P.; MAMEDOV, Z.S.

Heat exchanger for cooling diesels under conditions of offshore
drilling. Mash. i neft. obor. no.10:15-16 '63. (MIRA 17:4)

1. Neftpromyslovoye upravleniye "Artemneft".

BELYAYEV, V.P.; KALINACHEIKO, V.R.; KUZ'MIN, N.M.; YAKIMENKO, L.M.;
ARGENTINA, A.A.; BUREZHNIK, Yu.I.; SHELKHIN, I.G.;
SHKLOVER, L.F.; BURAYLOV, Yu.M.; PEREPELKINA, M.A.;
USTINOVA, V.I.; NOUYMINA, G.P.; ENGEL'SHT, V.S.; TRAPITSYN, N.F.;
BULANOV, Yu.A.

Exchange of experience. Zav.lab. 28 no.6:685-687 '62.
(MIRA 15:5)

1. Khimicheskiy zavod imeni Voykova (for Shklover). 2.
- Ural'skiy nauchno-issledovatel'skiy institut chernykh metallov
(for Buraylov, Perepelkina, Ustinova, Nouymina). 3. Kirgizskiy
gosudarstvennyy universitet (for Engel'sht, Trapitsyn, Bulanov).
(Spectrum analysis)

FISHMAN, M.P.; KALINICHENKO, V.P.

Gathering of oil on offshore fields using separators for
removing sand from petroleum. Neft. khoz. 40 no.11:69-71
N '62. (MIRA 16:7)

(Petroleum—Refining)
(Underwater pipelines)
(Separators(Machines))

KALINICHENKO, V.V., gvardii kapitan meditsinskoy sluzhby

Treatment of patients with acute pneumonia with an oxytetracycline suspension in an army hospital. Voenn.-med. zhurnal.
no.2:41-43 '65. (MIRA 18:11)

L 41187-66

ACC NR: AP6022015

SOURCE CODE: UR/0120/66/ /003/0152/0155

AUTHOR: Denisov, Yu. N.; Kalinichenko, V. V.

ORG: Joint Nuclear Research Institute, Dubna (Ob'yedinennyy institut yadernykh issledovaniy)

TITLE: Broadband absorption chamber for observing EPR in the centimeter band

SOURCE: Pribery i tekhnika eksperimenta, no. 3, 1966, 152-155

TOPIC TAGS: EPR, magnetic field measurement, centimeter wave, *RECTANGULAR WAVEGUIDE*

ABSTRACT: An absorption chamber (see Fig. 1) in the form of a shortcircuited rectangular waveguide has been used for observing EPR; it requires a fairly large specimens however. The specimen volume can be reduced by one order of magnitude if a π -type waveguide (see Fig. 2) is used.

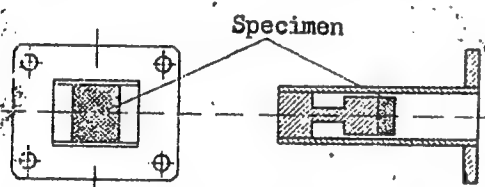


Fig. 1. Rectangular-type-waveguide absorption chamber

Card 1/2

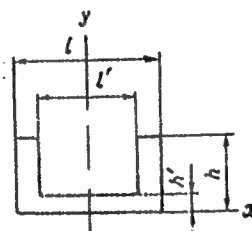


Fig. 2. π -type-waveguide absorption chamber

UDC: 539.28.078

L 56660-65 ENT(1)/EFF(c)/SEC(t) FI-4 IJP(c) WW/OG
 ACCESSION NR: AP5011885 UR/0120/65/000/002/0134/0135
 532.1.978

29
 28
 B

AUTHOR: Denisov, Yu. N.; Kalinichenko, V. V.

TITLE: Resonator for observation of the electron paramagnetic resonance in the decimeter band

SOURCE: Priboiy i tekhnika eksperimenta, no. 2, 1965, 134-135

TOPIC TAGS: electron paramagnetic resonance, decimeter band 4

ABSTRACT: A quarter-wave coaxial resonator with a helical internal conductor is suggested for observing the electron paramagnetic resonance (EPR) in the decimeter band. In such a resonator, the r-f magnetic field is highly concentrated inside the helical conductor which provides a high fill factor η for small-volume specimens. The intensity of the EPR signal in this type of resonator is dozens of times higher than that of a volume-type coaxial resonator. The details of a new 2-Ge $Q_0 = 400$ resonator are given. Orig. art. has: 2 figures and 6 formulae.

Card 1/2

L 56660-55

ACCESSION NR: AP5011885

ASSOCIATION: Ob"yedinennyy institut yadernykh issledovaniy (Joint Nuclear
Research Institute)

SUBMITTED: 13Feb64

ENCL: 00

SUB CODE: EC, NP

NO REF SOV: 001

OTHER: 002

2/2

L 20721-66 EWP(j)/EWT(1)/EWT(m) RM/WW/JW

ACC NR: AP6007830

SOURCE CODE: UR/0120/66/000/001/0158/0162

AUTHOR: Denisov, Yu. N.; Ivashkevich, S. A.; Kalinichenko, V. V.

ORG: Joint Nuclear Research Institute (Ob'yedinennyy institut yadernykh issledovaniy)

TITLE: Magnetic field stabilizer with a broadband EPR sensor

SOURCE: Priory i tekhnika eksperimenta, no. 1, 1966, 158-162

TOPIC TAGS: EPR, stabilizer

ABSTRACT: Previously used NMR sensors included electron tubes, transistors, and other short-life parts; such sensors could hardly be used in large permanent installations because of their inaccessibility for purposes of maintenance (tube replacements, etc.). Hence, a new type of sensor — a broadband EPR sensor — has been developed. In this sensor, only a specimen-containing absorption chamber and modulating coils are placed in the field of the magnet being stabilized. The SHF oscillator and signal recording equipment can be placed at a considerable distance from the magnet and connected with the chamber by means of a waveguide. The broadband chamber consists of a length of rectangular waveguide shorted by a choke

Card 1/2

UDC: 539.283:621.316.73

L 20121-66

ACC NR: AP6007830

plunger. The EPR signal (with a diphenylpicryl hydrazyl specimen) exceeds the NMR signal by thousands of times. Fields of 0.6--1.37-tesla can be stabilized. With a prestabilization of the magnet current within $(1-5) \times 10^{-2} \%$, the instability of the field is $(1-3) \times 10^{-3} \%$ or less. A sketch of the sensor and principal electronic circuits are presented. Orig. art. has: 5 figures, 6 formulas, and 2 tables. [03]

SUB CODE: 18, 09 / SUBM DATE: 09Feb65 / ORIG REF: 003 / OTH REF: 004

ATD PRESS: 4223

Card 2/2

11.07, 1.00, inzh.; KALINICHENKO, G.A.

Anchor-bolting of workings in the Donets Basin with the use of
the "Djol" machine unit. Shor. DonUGI no.33:41-445 '64.
(11.07 17:11)

KALINCHEV, E.L.; LEVIN, A.N.

Main processes occurring inside injection molds. Plast.massy
no.3:57-62 '62. (MIRA 15:4)
(Plastics--Molding)

BOROVSKIY, V.G., inzh.; VILLUMSEN, V.V., inzh.; PYAGOTIKIN, V.A., inzh.;
KALINICHEV, G.V., inzh.; IOVYAGIN, A.I., inzh.; LYZO, B.G., inzh.

Improvement in the design of tubular diesel-hammers. Stroi. i dor.
mash. 9 no.7:17-19 J1 '64. (MIRA 18:3)

KALINICHEV, S.A.

Automatic-intake centrifugal pump having a small discharge. Rats. 1
izobr. predl. v stroi. no. 3:41-43 '57. (MIRA 11:1)
(Centrifugal pumps)

KALINICHEV, V.A. (Leningrad); SHKATOVA, A.M. (Leningrad)

Developing materials with a low and definite value of magnetic
permeability for standards. Porosh.met. 4 no.4:37-42 JI-Ag '64.
(MIRA 18:8)

KALINICHEV, V.P. (Ashkhabad)

Potentials for the increase of the operative efficiency of
diesel locomotives. Zhel. dor. transp. 46 no.7:67-69 J1 '64.
(MIRA 17:8)

1. Nachal'nik Ashkhabadskogo otdeleniya Sredneaziatskoy dorogi.

L 44429-66 EWT(m)/EWP(t)/ETI IJP(c) JD
ACC NR: AP6023077 (AN) SOURCE CODE: UR/0367/66/003/004/0593/059;

AUTHOR: Voinova, N. A.; Dzhelepov, B. S.; Kalinichev, Yu. V.; Kaminker, D. M.; Sergeyev, A. G. 52 50

ORG: Physicotechnical Institute im. A. F. Ioffe, Academy of Sciences SSSR
(Fiziko-tekhicheskiy institut Akademii nauk SSSR) B

TITLE: Gamma spectrum of Mn⁵⁶ isotopes 19

SOURCE: Yadernaya fizika, v. 3, no. 4, 1966, 593-597

TOPIC TAGS: gamma spectrum, electron paramagnetic spectrometer, nuclear energy, radioactive decay, manganese isotope

ABSTRACT: The γ -spectrum of Mn⁵⁶ has been measured by a magnetic spectrometer of the "electron" type. The γ -transition energy is obtained with 0.03 to 0.04% accuracy. Since the pattern of the Mn⁵⁶ decay is well-known, the measurement of the Mn⁵⁶ spectrum improved the energy calibration of the spectrometer in the energy region higher than 1.4 Mev, and gave the best values for the energy of Fe⁵⁶ levels, excited in the Mn⁵⁶ decay. Intensities of the Mn⁵⁶ γ -transitions

Card 1/2

L 44429-66

ACC NR: AP6023077

have been determined. The authors thank A. I. Yegorov for preparing an oxide manganese compound and V. A. Vesna for assistance in calculations. Orig. art. has: 5 figures and 3 tables. [Based on authors' abstract]

[NT]

SUB CODE: 18/ SUBM DATE: 06Mar65/ ORIG REF: 002/ OTH REF: 009

Card

2/2

.. G.; VOINOVA, N. A.; DZHELEPOV, B. S.; KALINICHEV, Yu. V.; KAMINKER, . A.

"The Magnetic Gamma Spectrometer Based on Electron Recoils for the Investigation of Short-Lived Isotopes."

report submitted for All-Union Conf on Nuclear Spectroscopy, Tbilisi, 14-22 Feb 64.

FTI (Physico Technical Inst)

L 28963-66 EWT(m)/EWP(t)/ETI IJP(c) JD/JG

ACC NR: AP6019087

SOURCE CODE: UR/0367/66/003/001/0003/0007

AUTHOR: Voinova, N.A.; Dzhelepov, B.S.; Zhukovskiy, N.N.; Kalinichev, Yu.V.;
Maloyan, A.G.; Sergeyev, A.G.

ORG: Physicotechnical Institute im. A.F. Ioffe, AN SSSR (Fiziko-tekhnicheskiy
institut AN SSSR); Radium Institute, AN SSSR (Radiyevyy institut AN SSSR)

TITLE: ¹⁹Gamma radiation of Eu sup 152 in the 1380-1900 keV energy range

SOURCE: Yadernaya fizika, v. 3, no. 1, 1966, 3-7

TOPIC TAGS: gamma radiation, europium, gamma spectrometer, radioisotope

ABSTRACT: The γ -spectrum of Eu^{152} in the 1380-1900 keV energy range was investigated on the magnetic Compton γ -spectrometer elotron of the Physics-Engineering Institute of the USSR Academy of Sciences. New γ -lines with energies of 1510, 1577, 1680, and 1756 keV were found and their relative intensities determined. The energy of the 1411.9 ± 0.7 keV γ -line in Eu^{152} was determined more precisely and this line was separated from the 1407.6 keV γ -line in Eu^{152} . The 1680 keV 1^+ level in Sm^{152} and the 1756 keV 1^- level in Gd^{152} are studied. The decay scheme is discussed. Based on author's English abstract. Orig. art. has: 1 table and 3 figures. [JPRS]

SUB CODE: 18, 20 / SUBM DATE: 17Apr65 / ORIG REF: 002 / OTH REF: 005

Card 1/1 BLG

L 2015-66 ENT(m) DIAAP

ACCESSION NR: AP5020247

UR/0367/65/002/001/0003/0009

AUTHOR: Vesna, V. A.; Voinova, N. A.; Kalinichev, Yu. V.; Sergeyev, A. G.

TITLE: The decay of In^{116*} 19

SOURCE: Yadernaya fizika, v. 2, no. 1, 1965, 3-9

TOPIC TAGS: indium, Gamma spectroscopy, line intensity, radioactive decay scheme

ABSTRACT: In view of rather strong discrepancies between the data obtained on the γ radiation from In^{116*} by different techniques, the authors undertook a study of the In^{116*} spectrum to obtain better information on the γ lines and to search for new weak lines. The measurements were made with a magnetic Compton spectrometer described elsewhere (Program and Abstracts of Papers of the 14th Annual Conference on Nuclear Spectroscopy, Tbilisi, 1964). In_2O_3 samples (0.3 g) were irradiated in a flux of $(3-4) \times 10^{13}$ thermal neutrons/cm²sec in a reactor and transported to the spectrometer by a pneumatic tube. The following energy levels and intensities were observed: 2113.2 ± 0.6 (16.3 ± 1.0), 1751.3 ± 0.8 (2.8 ± 0.2), 1507.9 ± 0.5 (9.1 ± 0.6), 1293.7 ± 0.5 (83.7 ± 2.0), 1098.5 ± 0.7 (53 ± 3), 820.1 ± 0.6 (11.2 ± 1.0), and 416.9 ± 0.4 (27.5 ± 0.3). The results are compared with those by others and the reasons for discrepancies are discussed. The upper limit of the intensity of

Card 1/2

L 2015-66

ACCESSION NR: AP5020247

3
the γ transition with ~ 445 kev energy is found to be 1.5%. The decay scheme of In^{116} is discussed. "We thank D. M. Kaminker for continuous interest in the work and for valuable discussions, and A. I. Yegorov for preparing the indium oxide." Orig. art. has: 4 figures and 3 tables.

ASSOCIATION: Fiziko-tekhnicheskiy institut im. A. F. Ioffe AN SSSR (Physicotechnical Institute, AN SSSR)

SUBMITTED: 15Mar65

ENCL: 00

HUB CODE: NP

NR REF SOV: 003

OTHER: 006

Card 2/2

DP

SERGEYEV, A.G.; VOINOVA, N.A.; DZHELEPOV, B.S.; KALINICHEV, Yu.V.;
KAMINKER, D.M.

Magnetic Compton spectrometer for analyzing short-lived
isotopes. Prib. i tekhn.eksp. 10 no.5:48-53 S-0 '65.
(MIRA 1981)

1. Fiziko-tekhnicheskiiy institut AN SSSR, Leningrad.
Submitted Sept.18, 1964.

KALINICHEVA, I. G.

36930. K differentsial'noy dia nostike amobil'noy i nekotorykh khirurgicheskikh zabolevaniy bryushnoy polosti. Trudy Stalinab. gos. med. in-ta, t. III, 1949, s. 11-60.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

KALINICHEVA, I. G.

36931. Tekheniye o nestrel'nykh pronikayushchikh raneniy shchepa. (V svazi s metodami
pervichnoy obrabotki ikh). Trudy Stalinsk. gos. med. in-ta, t. III,
1949, s. 105-10.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

KALINICHEVA, I.G., prof., KOTL., Ya.I., prof.-red.

[Surgical complication of ~~amebiasis~~] Khirurgicheskie oslozheniia
amebioza. Stalinabad, 1957. 221 p. (Stalinabad, Gosudarstvennyi
meditsinskii institut. Trudy, vol.20) (MIRA 11:8)
(AMEBIASIS)

KALINICHEVA, I.G., prof.

Medical training at secondary and advanced levels in Tajikistan under the Soviets. Zdrav.Tadzh. 4 no.6:30-34 N-D '57. (MIRA 11:4)

1. Dekan Stalinabadskego meditsinskogo instituta imeni Abuali ibni Sino.

(TAJIKISTAN--MEDICINE--STUDY AND TEACHING)

KALINICHEVA, I.G., prof., KOTS., Ya.I., prof., red.

[Surgical complication of amebiasis] Khirurgicheskie oslozheniia
amebiaza. Stalinabad, 1957. 221 p. (Stalinabad, Gosudarstvennyi
meditsinskii institut. Trudy, vol.20) (MIRA 11:8)
(AMEBIASIS)

KALINICHEVA, I.G.

Conference of the Stalinabad Medical Institute. Zdrav.Tadzh.
6 no.3:42-43 My-Je '59. (MIRA 12:11)
(MEDICINE)

MOROCHNIK, S.B., dotsent; EPSHTEYN, Ya.A., prof.; KALINICHEVA, I.G., prof.

Scientific conferences in honor of the 90th anniversary of the birth
of V.I. Lenin. Zdrav. Tadzh, 7 no. 3:59-61 My-Je '60. (MIRA 14:4)
(LENIN, VLADIMIR I'ICH, 1870-1924)

(MEDICINE)

CA KALINICHEVA, N. A.

30

Determination of water in the alcoholic fractions obtained in the manufacture of synthetic rubber (condensate and higher alcohols). V. G. Shaposhnikov and N. A. Kalinicheva. *Sintet. Kauchuk* 1934, No. 3, 31 R. -- The detn. of water in condensate of the approx. % compn. EtOH 67.35, ether 3.00, aldehyde 4.00, hydrocarbons 3.00, BuOH 2.00, water 30.25 can be done with KF, either as a satd. soln. or as ignited salt. To the result there should be added 2% as a const. error. The precision is then within a 1% limit. To det. small quantities of water the CaC_2 method can be used, in which case the condensate is treated with screened (20-mesh) CaC_2 and the liberated C_2H_2 collected over NaCl soln. satd. with C_2H_2 . This method gives high results in the presence of low-boiling compds. (divinyl, pseudobutylene and high proportions of ether) because the reaction is exothermic and the vapors of low-boiling compds. are caught with the C_2H_2 . The precision of the method is 1%. A. N. P.

ASA 35A METALLURGICAL LITERATURE CLASSIFICATION

1. KALINICHEVA N. A.

cc

Determining the degree of unsaturation of the higher alcohols. V. G. Shaposhnikov and N. A. Kalinicheva. *Izvestiya Goskharakt. Otdel. Zavoda Sintet. Kautchuka LBRP R. III. Synthetic Rubber* 110-17(1934).—The analysis was carried out by the hydrogenation methods with Pt and Ni catalysts and the Rosenmund (C. A. 18, 477) titrimetric method. Eleven references. A. A. II.

ASD 55A METALLURGICAL LITERATURE CLASSIFICATION

KALINICHEVA,

10. Determination of ether in by-products obtained in the decomposition of alcohol to divinyl. A. G. Shaposhnikov, N. A. Kulichikova and N. Z. Anshov. *Trudy Gosudarst. Vyssh. Shkoly Sintet. Khimichesk. Liter. B.* 11. Synthet. *Oppt. Zashch. Sintet. Khimichesk. Liter. B.* 11. Known methods of separating ether from mixts. of hydrocarbons and also are discussed. Conclusion: None gives satisfactory quantitative results with large amts. of ether.

ASD 36A METALLURGICAL LITERATURE CLASSIFICATION

KALINICHEVA, N. A.

Card 1 of 1

USSR/Chemistry - Synthetic Elastomers Jul 52

"The Study of Secondary Reactions in the Process of Catalytic Synthesis of Butadiene From Alcohol by the Method of S. V. Lebedev. II. Scheme of the Formation of Compounds With an Uneven Number of Carbon Atoms, C_1 and C_3 ," Yu. A. Gorin, N. A.

Kalinicheva, All-Union Sci Res Inst of Synthetic Rubber imeni S. V. Lebedev

"Zhur Obshch Khim" Vol 22, No 7, pp 1256-1266

Studied the conversion of acetic acid and ethyl acetate over a catalyst suitable for the

(1)

229T47

(CA 47 no. 13: 6336 '53)

KALINICHEVA, N. A.

Card 2 of 2

synthesis of butadiene from alc Examd effects of the addn of acetic acid and ethyl acetate to ethyl alc on the latter's conversion to butadiene over that particular catalyst (contg dehydrating components.) Found that under those conditions there was a ketonic decompn of acetic acid, with the formation of carbon dioxide and acetone (the yield of the latter comprising about 70% of the theoretical). States that the decompn of ethyl acetate under these same conditions resulted in the formation, on the one hand, of carbon dioxide, acetone and propylene, and on the other of ethyl alc, ethylene, aldehyde and a small amt of butadiene. The neg effect of addn of acetic

(2)

229T47

acid or ethyl acetate to alc on the yield of butadiene was explained by the changes to which these substances could be subjected under the conditions of the studied reaction. The possibility was assumed of the formation of carbon dioxide, acetone, and propylene in the process of catalytic synthesis of butadiene from alc by the S. V. Lebedev method, by means of a chain of successive reactions: alc → acetaldehyde → ethyl → acetate → acetic acid → acetone → isopropyl alc → propylene.

(3)

229T47

KALINICHEVA, N. A.

Chemical Abst.
Vol. 48 No. 5
Mar. 10, 1954
Organic Chemistry

Side reactions in the contact synthesis of divinyl from alcohol by the S. V. Lebedev method. II. The schemes of formation of compounds with an odd number of carbon atoms (C_3 and C_5). Yu. A. Gorin and N. A. Kalinicheva. J. Gen. Chem. U.S.S.R. 22, 1303-10 (1952) (Eng. translation).—See C.A. 47, 6330e. H. L. H.

LABUTIN, A.L.; KALINICHEVA, N.A.; KACHALOVA, R.V.; TRENKE, K.M.

New organic solvents and their possible application to the
lacquer and paint manufacture. Lakokras. mat. i ikh prim.
no.3:25-26 '61. (MIRA 14:6)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo
kauchuka imeni S.V. Lebedeva.

(Solvents)
(Paint industry)

L 60201-65 EWT(m)/EPF(c)/EWP(j)/T Pc-4/Pr-4 GS/JAJ/RM
 ACCESSION NR: AT5019605

UR/0000/64/000/000/0002/0090

AUTHOR: Korotkov, A. A.; Kalinicheva, N. A.; Pichuzhkina, K. P.

TITLE: Effect of contaminants in titanium tetrachloride on the process of isoprene polymerization and the polymer properties

SOURCE: Vsesoyuznyy nauchno-issledovatel'skiy institut sinteticheskogo kauchuka. Polimerizatsiya izoprena kompleksnymi katalizatorami (Polymerization of isoprene by complex catalysts). Moscow, Izd-vo Khimiya, 1964, 82-90

TOPIC TAGS: contaminant, titanium tetrachloride, isoprene polymerization, polymer property, Ziegler catalyst

ABSTRACT: The effect of contaminants commonly present in commercial grade titanium tetrachloride (CO_2 , SOCl_2 , POCl_3 , CS_2 , COCl_2 , SiCl_4 , and acetyl chlorides) on isoprene polymerization with Ziegler-type catalyst was studied at 25-30°C in an isopentane solvent. The polymerization mixtures contained 15 mol % isoprene based on isopentane solvent. The products were quenched with ethyl alcohol after 2 hours polymerization. The effect of individual contaminants was judged in terms of product characteristic viscosity and tensile strength of the vulcanized product samples measured at 20° and 100°C. A complex of TiCl_4 with $\text{Al}(\text{iso-C}_4\text{H}_9)_3$ served as a catalyst.

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It was found that HCl, $TiOCl_2$, CCl_4 , $SiCl_4$, $VOCl_3$, and $TiCl_4$ strongly inhibit isoprene polymerization even if present in very minute concentrations. HCl is the major contributor to the catalytically harmful action of the $TiOCl_2$ -HCl joint system (formed as a result of interaction of water with $TiCl_4$). The following $TiCl_4$ contaminants are little harmful: $FeCl_3$ up to 0.05 wt. %, $AlCl_3$ up to 0.05 wt. %, C_6Cl_6 up to 0.1 wt. %, and $SOCl_2$ up to 0.1 wt. %. Preparation of high activity complex polymerization catalyst requires freshly distilled high purity $TiCl_4$. Orig. art. has: 10 tables and 1 figure.

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2/2

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